

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	("3339579"   "3346009"   "4456028").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 10:23
S2	3	"3508986"	US-PGPUB; DERWENT	ADJ	ON	2008/06/11 10:42
S3	4	"3508986"	US-PGPUB; EPO; DERWENT	ADJ	ON	2008/06/11 10:42
S4	6	"2116293"	US-PGPUB; EPO; DERWENT	ADJ	ON	2008/06/11 10:44
S5	1	"19955083"	US-PGPUB; EPO; DERWENT	ADJ	ON	2008/06/11 10:46
S6	4	"3508986"	US-PGPUB; EPO; DERWENT	ADJ	ON	2008/06/11 10:47
S7	2	"0241952"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 10:49
S8	3	"0241952"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	ADJ	ON	2008/06/11 10:49
S9	264	"241952"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	ADJ	ON	2008/06/11 10:50
S10	2	("0241925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:50
S11	2	("3148454").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:50
S12	4	("3148454").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2008/06/11 10:50
S13	2	("3148454").PN.	EPO; DERWENT	OR	OFF	2008/06/11 10:51
S14	8	("2116293").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:31
S15	1	(19/955083).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:32
S16	8	("1148511").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:32

S17	4	(03/005177).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:35
S18	4	("2818581").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:36
S19	2	(19/604889).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:38
S20	4	("3148454").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	OR	OFF	2008/06/11 11:38
S21	694	137/538.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 12:19
S22	437	137/538.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/11 12:19
S23	224	piston adj2 flat surface	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:27
S24	192	piston adj2 flat surface and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:27
S25	192	(piston adj2 flat surface) and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:27
S26	13	(piston adj2 flat surface) and pressure and "137".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:27
S27	563	(piston adj2 groove) and pressure and "137".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:29
S28	82	(piston adj2 groove) and pressure.ti. and "137".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 14:29
S29	81	137/470.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/11 17:34
S30	1	("2672881").URPN.	USPAT	ADJ	ON	2008/06/12 08:07
S31	2	BUCHBERGER-THOMAS.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:13
S32	0	BUCHBERGER-THOMAS\$.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:13
S33	0	WEI XELBERGER-FRANZ\$.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:14
S34	1	WEI XELBERGER-FRANZ.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:14
S35	1	HOELLER-WOLFGANG.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:14
S36	0	HOELLER-WOLFGANG\$.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:14
S37	15302	bosch.as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:15

S38	13178	bosch.as. and de.asco.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:15
S39	6601	bosch.as. and de.asco. and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:15
S40	565	bosch.as. and de.asco. and pressure.ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:15
S41	231	bosch.as. and de.asco. and pressure.ti. and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:24
S42	5	pressure.ti. and piston and adjusting shim	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:29
S43	243	pressure.ti. and piston and shim	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:31
S44	79	pressure.ti. and piston and shim and (regulat\$3 or limit\$3 or control\$4). ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 10:31
S45	5	adjusting shim near4 piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 11:51
S46	9	adjusting shim near6 piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 11:52
S47	325	shim near3 piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 11:54
S48	18	shim near3 piston and "137". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 11:54
S49	13	shim near3 piston and "251". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:00
S50	17	shim near5 piston and "251". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:06
S51	0	not S50 and S49	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:06
S52	0	not S50 and S49	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:07
S53	4	not S49 and S50	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:07
S54	24	shim near5 piston and "137". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:09
S55	6	not S48 and S54	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:10
S56	325	shim near3 piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:12
S57	1	shim near3 piston near2 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:12
S58	1	shim near3 piston near3 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:12
S59	1	shim near3 piston near4 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:12
S60	1	shim near4 piston near4 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:13
S61	1	shim near5 piston near4 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:13

S62	1	shim near5 piston near5 slip\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:13
S63	14	washer near5 piston near5 slip \$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 12:13
S64	1	137/538.ccls. and calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 13:58
S65	0	137/470.ccls. and calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 13:58
S66	8	137/511-543.23.ccls. and calk \$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 13:59
S67	137	valve.ti. and calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:00
S68	2	valve.ti. and (calk\$3 with screw \$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:00
S69	6	valve.ti. and (calk\$3 with thread \$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:01
S70	10	housing with (calk\$3 with thread\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:02
S71	14	valve housing with calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:02
S72	0	valvewith calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:04
S73	135	valve with calk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:04
S74	25	valve with calk\$3 and "137". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:04
S75	131	valve with caul\$3 and "137". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:09
S76	0	137/538.ccls.caulk\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:10
S77	1	137/538.ccls. and caul\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:10
S78	63	137/511-543.23.ccls. and caul\$ \$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:10
S79	6	"2672881"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 14:46
S80	776	137/470,538.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 14:22
S81	1742	check valve.ti. and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 14:25
S82	590	check valve.ti. and spring and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 14:26
S83	25792	valve.ti. and spring and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 15:28
S84	25202	not S82 and valve.ti. and spring and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 15:28

S85	10992	not S82 and valve.ti. and spring and piston and ("137" or "251"). clas. and (slid\$4 or reciproc\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 15:29
S86	2663	not S82 and valve.ti. and spring and piston and ("137" or "251"). clas. and (slid\$4 or reciproc\$4) and check valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 15:35
S87	281	not S86 and check valve.ti. and spring and piston and ("137" or "251").clas. and (slid\$4 or reciproc\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 16:06
S88	266	not S86 and check valve.ti. and spring and stem and ("137" or "251").clas. and (slid\$4 or reciproc\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 16:07
S89	266	check valve.ti. and spring and stem and ("137" or "251").clas. and (slid\$4 or reciproc\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 16:07
S90	249	valve.ti. and oblique near3 axis	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:14
S91	153	valve.ti. and oblique near3 axis and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:14
S92	18	valve.ti. and (outlet near2 angle near3 axis) and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:20
S93	52	valve.ti. and (outlet near4 angle near3 axis) and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:21
S94	779	137/538,470.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:27
S95	1626	137/528,535,538,470.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:30
S96	4335	251/318-324.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:30
S97	140	251/318-324.ccls. and spring and check valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:31
S98	11	251/318-324.ccls. and spring and one-way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:36
S99	739	137/528,535,538,470.ccls. and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/22 16:36
S100	1	("2672881").URPN.	USPAT	ADJ	ON	2009/04/23 14:12
S101	39	("2219290"   "2822817"   "3234959"   "3439705"   "3565100"   "3943969"   "4005733"   "4176680"   "4313570"   "4371001"   "4412792"   "4716924"   "4862911"   "4953589").PN. OR ("5241986").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 14:13
S102	1127	251/205,206.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 14:21

S103	21	valve.ti. and piston near2 flat surface	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:09
S104	42	valve.ti. and piston near4 flat surface	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:11
S105	872	(relief near2 valve).ti. and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:11
S106	673	"137".clas. and (relief near2 valve).ti. and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:11
S107	645	"137".clas. and (relief valve).ti. and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:11
S108	70	"137".clas. and (relief valve).ti. and piston and proportional	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:12
S109	11	("3482594").URPN.	USPAT	ADJ	ON	2009/04/23 16:19
S110	71	"137".clas. and (relief valve).ti. and proportional near4 pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:21
S111	89	"137".clas. and (relief).ti. and proportional near4 pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:22
S112	18	not S110 and "137".clas. and (relief).ti. and proportional near4 pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:22
S113	9	"2116293"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/23 16:33
S114	15	"2116293"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:34
S115	8	"1421117"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:35
S116	2	"0661479"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:35
S117	26	"661479"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:35

S118	0	"GB661479"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:36
S119	0	"GB0661479"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:36
S120	0	GB0661479	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:36
S121	228	dowty.as. and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:36
S122	77	dowty.as. and valve.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:37
S123	20	"724366"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:38
S124	0	"GB724366"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:39
S125	0	"GB 724366"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:39
S126	40	"685203"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:39

S127	27	"576960"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:40
S128	16	"550882"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/23 16:41
S129	7	((("20080022974") or ("5002090") or ("2987071") or ("5462413") or ("2355150")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 07:57

**10/7/2009 8:59:21 AM****C:\Documents and Settings\achaudry\My Documents\EAST\Workspaces\10549576.wsp**